

NOTED SPEAKERS ADDRESS ANNUAL ALUMNI BANQUET

Dr. Stratton, Dr. Jewett '03,
And Secretary of War Davis
Speak to 500

HEGENBERGER PRESENT

Gives Short Talk to Meeting
In Chamber of Commerce
Saturday Night

Five hundred Technology alumni, a score of them with their wives, came from all parts of the Eastern United States to attend the annual banquet of the Alumni Association of M. I. T. Saturday evening. The meeting was held this year in the banquet hall of the Boston Chamber of Commerce.

Movies, a five-course dinner interspersed with songs and cheers and a notable list of speakers combined to make the banquet an affair generally conceded one of the most interesting and worthwhile of such gatherings. At the head table were the leaders of the alumni organization, corporation and faculty members and the speakers. The guests were seated at tables according to classes, and nearly all classes from '78 to '27 were represented.

Dr. Prescott Is Toastmaster

Dr. Samuel C. Prescott '94, president of the Alumni Association, officiated as toastmaster. The speakers of the evening were Dr. Samuel W. Stratton, president of M. I. T., Dr. Frank B. Jewett, president of the Bell Telephone Laboratories, Inc., and Hon. Dwight (Continued on Page 4)

RADIO SOCIETY HAS NEW TRANSMITTERS

Institute Station Easily Heard
By Middle West

The Radio Society has recently installed a new forty meter transmitter, consisting of two fifty watt tubes in a self rectifying circuit. It expected that a two hundred and fifty watt transmitter will soon be in operation. The latter set will be operated in a wavelength of twenty meters and will be used mainly for long distance daylight transmission. The plate supply will come from a five hundred cycle motor generator. The range of the meter set has not been determined as yet as the set has only been in operation for a short time. However, station in the middle west have reported the signals as coming in with good signal strength.

It is planned to have a staff of operators at the station in order to maintain regular schedules. The times that the station will be in operation will be published later. Visitors are always welcome whenever there is an operator in charge.

Real Smoke Discovered In Chemistry Lecture

At last a Technology chemist has been discovered, one who can really tell true, one hundred percent, smoke, not the fictitious kind which is occasionally used to fool our budding engineers. The said chemist, incidentally, lectures to freshmen, and not to the glib upperclassmen. It seems that the aforementioned expert analyst was droning away merrily to a thoroughly exhausted bunch of frosh, when from the rear of one of the pillars in 10-250 a substance emerged which had all the visible properties of smoke. Using his instant-action mind, the lecturer paused in his droning and announced the startling fact to an astonished class that he had discovered smoke in the lecture room. The class laughed, and sniffed the air expectantly, anticipating the odor of ammonium hydroxide, but lo and behold, it was tobacco.

Thereupon the class placed "Beaker" up another rung in their opinion for having the ability to tell smoke and knowing enough not to try to fool the frosh, and then turned around to finish their incompleting sleep.

Will Aunt Hattie See Your Photo in 'Snique'?

Snapshots, snapshots, and still more snapshots are wanted by Technique for its informal sections. Although many have been received, many more are wanted in order to make that section bigger and more enjoyable than ever. Pictures of Institute life, of athletics and of fraternity and dormitory life are the sort of thing that is wanted. Preference is given to informal poses, since they are generally of greater interest to the general student body. Pictures should be brought to the Technique office as soon as possible, in any event before midyears. This is an excellent chance for students to get their picture into the yearbook, where they can proudly display it to Aunt Hattie.

King Of Denmark Knights Hovgaard For His Services

Naval Architecture Professor
Receives Honor on His
70th Birthday

The order for Knight Commander of Denneborge, an honor given only for distinguished service, has been conferred upon Professor William Hovgaard, Professor of Naval Design and Construction at the Institute by King Christian of Denmark.

The honor, given on the occasion of Professor Hovgaard's seventieth birthday in recognition of his far-reaching contributions to naval architecture, was presented by the Danish Consul General George Beck at a dinner of the Danish Officers Club in New York.

Professor Hovgaard was graduated from the Naval Academy at Copenhagen in 1879. He served in the Danish Navy and was a member of the astronomical expedition which was sent to the West Indies to observe the passage of the planet Venus in 1882. In 1883 he entered the School of Naval Architecture of the Royal Naval College in England and was graduated three years later. From 1886 to 1894 he was on technical duty in the Royal Dockyard at Copenhagen and served as instructor in the Dockyard School of Naval Architects and Engineers.

Came Here in 1901

The following year he was appointed yard manager at the famous shipyard of Burmeister and Wain. In 1898 he was given the rank of commander in the Danish Navy.

In 1901 Professor Hovgaard was sent to this country to study the question of submarines and other technical matter and following his return to Denmark he was offered the chair as Professor of Naval Design and Construction at Technology.

Professor Hovgaard was called as an expert witness in the loss of the Titanic and at the inquiry into the sinking of the Lusitania. He was on technical duty in the Bureau of Construction and repair in the Navy Department at Washington in 1917 and 1918 and later was a consulting expert for the navy. He was technical adviser to the court in the investigation of the loss of the Shenandoah.

Professor Hovgaard is well known for his work in the interest of the American Scandinavian Foundation of which he has been a trustee since 1912. He was elected vice-president of the foundation last year.

Many technical books have come from the pen of Professor Hovgaard, among them such works as the Structural Design of Warships, Modern History of Warships, and the General (Continued on Page 4)

MENORAH SOCIETY MEETS TOMORROW

Tomorrow night at 7:45 o'clock in North Hall, Walker, the joint meeting of the Radcliffe and Technology Menorah Societies will be held. The principal speaker of the evening will be Prof. Robert E. Rogers of the English department of the Institute. As is the usual procedure at the joint meetings, the address will be followed by dancing and refreshments.

This is the first meeting of the year and all the members of the Society are expected to be present. Any men interested in the society are invited to attend and are urged to join.

FRESHMAN SMOKER WILL BE HELD ON WEDNESDAY NIGHT

Hegenberger to Speak at First
All-Freshman Meeting of
The Year

LEADERS MEET IN 4-138

At a meeting of the officers and section leaders of the freshman class it was definitely decided that the first class smoker would be held on Wednesday evening in the dining room of Walker Memorial. The principal speaker of the evening will be Lieutenant Albert G. Hegenberger '18, who has finally been able to arrange his plans so as to speak at the freshman smoker.

The meeting of the freshman officers and section leaders was held in Room 4-138 last Friday night at 5 o'clock. At this meeting Kenneth Smith was put in charge of getting the tickets for the smoker. These tickets will be given to the section leaders on Monday and will be distributed to the members of the different sections on Tuesday. The tickets will cost 25 cents each and all members of the class are urged to be present at the first smoker.

Robert B. Freeman, president of the Class of 1931, then selected a chairman of the publicity committee and also of the entertainment committee. Tinsley Rucker was appointed to obtain ushers for the smoker.

For several weeks the freshman officers have been trying to secure Lieut. Hegenberger to speak at the smoker, but due to business engagements the Lieutenant was unable to come. However, last Friday morning Freeman received a telegram from Hegenberger stating that he would be able to attend the smoker next Wednesday evening. In addition to Lieut. Hegenberger's speech several other things have been planned for entertainment. O. B. Denison '11 will probably be present to entertain by singing and playing. The R. O. T. C. band, which recently made its debut in the Hangar Gymnasium, is also going to be asked to perform.

The smoker is going to be the first real get-together meeting of the Class of 1931 and it is very important that it be well attended. The program will begin at 8 o'clock on Wednesday evening in the Main Hall of Walker Memorial. Final plans for the evening will be made at a meeting of the officers and section leaders in Room 4-138 tonight at 5 o'clock.

FACULTY CLUB WILL HEAR FORUM EDITOR

A luncheon meeting of the Faculty Club will be held in the Faculty dining room, Walker Memorial, tomorrow at 12 o'clock. The speaker of the luncheon will be Dr. Henry G. Leach, of New York City. The subject that he will discuss will be "Academic Tolerance." Dr. Leach is editor of the "Forum," and is well known in literary circles. This starts the first of the year's programs of bi-weekly meetings of the Club, and it is expected that it will be well attended.

Technology Should Teach 'Humanics', Says Nickerson in Aldred Lecture

Outlines Qualities Incumbent
Of Chair Ought to
Possess

Technology should have a new chair dealing with human relationships, was the opinion of William E. Nickerson '76, Director of the Gillette Safety Razor Company, brought forth in his Aldred lecture on "Knowledge plus Wisdom," in Room 10-250 Friday afternoon.

"Is it not possible and is it not highly desirable," he queried, "that an institution like M. I. T. should have, for the Junior and Senior years, a chair called 'Humanics' or some other appropriate name, which would undertake to instruct students in the fundamentals of human relationship and move them to think seriously about this subject?"

"As I see it, the incumbent of the Chair of Humanics, or whatever it might be called, should be a graduate engineer of at least fifteen years of active service in his profession rendered in various places and positions. He should be of fine personality, with

SWIMMERS DEFEAT AMHERST COLLEGE IN CLOSE CONTEST

Rah Rah Spirit Enters
Tech; Tucker Cheered

Extra!! For the first time in the history of the Institute a class of students rose of their own accord and gave their professor a wholehearted cheer. But, as the proverb goes, "there's a reason".

It was Saturday afternoon, and 20 plates in Sophomore Building Construction were due at 4 o'clock. Most of the fellows had about 14 of them done. At 3 o'clock Prof. Ross F. Tucker decided to give them a few days grace—whence all the enthusiasm.

SCHOLARSHIPS FOR 1928 ANNOUNCED

Austin Fellowship Increased
From \$500 Plus Tuition
To \$1000

The Massachusetts Institute of Technology will offer in 1928-1929 the following graduate scholarships to assist students in pursuing courses of study and research leading to the Degrees of Master of Science, Master in Architecture, Doctor of Science, Doctor of Philosophy and Doctor of Public Health. Awards will be based primarily on evidence of high scholarship and ability to carry on research. Inquiries regarding graduate scholarships and opportunities for graduate study and research should be addressed to the Dean of Graduate Students, Massachusetts Institute of Technology, Cambridge, Mass. Applications should be filed, on forms provided for the purpose, not later than March 1, 1928.

Name	Stipend
Textile Research Fellowship.....	\$2000
Provided by the Arkwright Club: open to a graduate student properly qualified to undertake research in the field of textiles.	
Crane Graduate Scholarships and Sloan Graduate Scholarships	1000
Several scholarships open to graduate students properly qualified to undertake fundamental research problems in the field of Automotive Engineering.	
Travelling Fellowship in Architecture	1500
Open by competition to regular and special students in the Department of Architecture.	
Austin Research Fellowship.....	1000
Open to students in all departments.	

(Continued on page 4)

ENGINEERS WIN IN SPITE OF LOSS OF LAST YEAR'S STARS

Jarosh '30 Breaks School Record in the 440 Yard
Swim

STILL LACK GOOD DIVERS

Technology's crippled swimming team upset all dope when they nosed out Amherst College 39 to 32, in one of the closest and hardest fought swimming meets that Technology has ever been in. The meet was a battle from start to finish, first one side and then the other taking the lead and it was not until the relay was completed that the meet could be definitely decided.

With the result of the meet depending on the relay both teams fought their hardest to gain the lead and to nose out the other man. Brown was the lead off man for the Cardinal and Gray and he started off with a four inch lead. Amherst tried hard to make up this lead, but just those few inches were enough to lose the meet for Amherst and clinch it for Technology. Torchio '30, the Engineers second man, tried hard to maintain the lead set for him by Brown, but Craner of Amherst was a little too good for him and started to gain on him. He could not, however, gain more than an inch and when Payson, a regular 440 man, and Campbell of Amherst started to fight it out. Neither of these men could gain on the other person and the result of the race rested on Luey and Lathrop the last men of both teams.

Lathrop did his best to gain on Luey, and throughout the entire last lap Lathrop tried vainly to overcome the advantage that Luey received from Payson and it looked for an instance as if he might do it. However, Luey gave a desperate last sprint and crossed the line not more than two inches ahead of Lathrop.

Another close and interesting event was the 50 yard dash in which Angleman of Amherst nosed out Torchio '30, by less than an inch. Both of these men fought hard to gain the (Continued on Page 3)

Tech Show Prizes Are Announced-- Orchestra Picked

Awards for Music and Poster
Are Given to Murphy
And Burgess

Prizes for the musical score and the advertising poster for Tech Show 1928 were won respectively by Joseph Murphy '29 and H. Lee Burgess '28, it was recently announced by the management of the Show.

The winning poster design is featured by a novel color scheme, with the portrait of a "smooth" young woman in the foreground and a partly disguised man lurking in the background.

The Show orchestra also has been selected, it is announced. It will consist of W. H. Jones '29, first sax; R. Kenny '30, second sax; G. W. Gassett '30, tenor sax; A. Clark '29, violin; W. Martell '30, violin; R. Bennett '31, cello; J. Russell '28, piano; A. Campopiano '28, flute; A. Keith '28, trombone; C. Kingsley '30, drums; A. Ackiss '30, first trumpet; C. Campbell '29, second trumpet; H. B. Walker '30, bass; and a freshman horn player.

CALENDAR

Monday, January 9
5:00—Christian Science Society Meeting in Room 4-132.
Tuesday, January 10
6:00—Corporation XV Banquet in Grill Room Walker.
7:30—Basketball Yale vs. Technology at New Haven.
7:45—Menorah Society Meeting North Hall Walker.
Wednesday, January 11
8:00—Freshman Smoker in Main Hall, Walker.

A Record of
Continuous
News Service
for 46 years



Official News
Organ of the
Undergraduates
of M. I. T.

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"RANK INGRATITUDE"

WE have had considerable discussion recently on enlarging our dormitory system in order to foster greater school unity and spirit, but while considering this step the large percentage of students who even then would be outside the dormitories should not be ignored. School unity is still to be realized until every student, not merely a majority, is reached.

What opportunity is there at present to reach the student body as a whole? To us there seems practically none except through printed or written statements which promote as much spirit and unity as there is in the International Correspondence School. The only practical way is through meetings of the student body, but we have no place where the whole group can be accommodated. Walker Memorial, the largest hall we have, is inadequate to seat even the percentage of students who attend the All-Technology Smoker, although all the cumbersome tables are removed. How can we expect to develop spirit when the last time that many of our students heard the president speak was at the address of welcome at the beginning of their freshman year?

From this angle it seems to us that an auditorium is an essential consideration toward the end to which we are striving as indicated by our recent Freshman Rules, Freshman lectures, and dormitory proposals. And we feel that it should be given serious consideration for its use would reach a far greater percentage of Technology students than could be reached through the other proposed plans. We do not mean to replace the other plans by the auditorium but only to supplement them.

Even the factories, that uninformed critics often claim we resemble, frequently include assembly halls where the employees can hold meetings. Yet student morale seems to us to be of greater importance than morale among the workers of a factory for there the quality of a man's work determines whether he is able to earn his living or not. Here most of the students will not starve if the quality of their work drops, so that the spirit, which is all the more necessary to maintain the standards of the school, should be fostered by every means possible. Instruction may be imparted better to small groups but enthusiasm spreads much more rapidly the larger the gathering. To get the most out of our college life such gatherings are needed and they can not be held without the facilities. Just because our school is large and in a metropolitan district should not make it just a store to sell additional creases in the grey matter of the brain.

"Rank Ingratitude" cries some alumnus who has been saving his pennies toward the new dormitories, "As soon as we give them something, they want more." We appreciate what has been done and what is being done, but we also remember the observation of the philosophers that progress stops as soon as everybody is satisfied. And so as the dormitory plans are being realized, we hitch our wagon to the next star beyond which is still invisible.

With The American College Editors

The following editorial is taken from the columns of the *Wesleyan Argus* for Thursday January 5, 1928.

GAPS

"The jobs of husband, father, vocation-chooser, citizen, health-conserver, home-builder and money-investor—jobs of vital importance—are apparently the most neglected subjects in American college curricula today. It is almost unbelievable. President McConaughy hits the nail squarely on the head when he urges students to keep on educating themselves after graduation, to fill these vast gaps left by their college courses.

"Far-fetched, perhaps, but—we were reminded of the fact that the Williams' limitation of activities' rule was recently repealed 'in response to strong student sentiment.' It seems

to have been repealed because students refused to be sidetracked from their main business of athletics and other campus activities. They refused ever to be shut out from the main tent and forced to fritter away their time among the side-shows: Latin, German, Analytical Geometry, and other non-essentials. Wesleyan students would have done the same thing.

"Far-fetched, yes. But we believe there is a real connection. Students prefer campus activities largely because they feel that these activities are preparing them for life. They do not prefer studying because they do not feel that it is preparing them for life. In campus activities there is room for leadership, originality, diplomacy and practical good sense. In studies there is room (so it seems to many) only for round glasses and a sponge-like ability to soak up useless and soon-forgotten facts. In campus and social activities you learn the greatest and hardest of all lessons—how to get along with men. In studies you learn—what?"

(Continued on page 4)

AS WE SEE THE MOVIES

METROPOLITAN

Dolores Costello's latest starring vehicle, "Old San Francisco," is the feature picture at the Metropolitan Theatre this week. Screen critics have hailed the film as Miss Costello's best acting since her appearance with Barrymore in "The Sea Beast." We are inclined to agree with that opinion.

"Old San Francisco" carries with it all the picturesqueness of that western city during the Gold Rush and Barbary Coast Days. Altogether the director has achieved a set of situations on which to let his imagination wild. All the glamour of the early west has been brought back to life and added to the horrors of the Chinatown underworld where pretty Dolores is sold to the highest bidder. The picture is interesting and colorful but it contains a considerable of the overdrawn hero "stuff" possible of execution only "on location."

Gene Rodemich and his band mates are pirates this week in a brilliant stage setting inspired by the early Spanish "Treasure Ships." The captives on this particular "Treasure Ship" are required to entertain the "pirates" or walk the plank and so by this interesting diversification the stage acts are introduced.

"Miss" Fannie Ward is heralded as the chief attraction on the program, but we failed to get the proper thrill out of her appearance and we went away wondering how the mother of an English Peeress and a grandmother as well could still call herself "Miss." A bit facetious—n'est-ce pas?

FENWAY

Milton Sills as the courageous son battling for the right, smiles his way winningly through the "Valley of the Giants" and emerges victoriously to claim his fair prize, the niece of his humbled opponent. The picture, now showing at the Fenway, has beautiful views of the giant redwood trees in California which tower majestically into bright blue skies of that locality. In such scenic beauty of the film, which serves to portray the selfishness of some humans in contrast with the noble-heartedness of others. Milton Sills plays exceedingly well in this production which was adapted from Peter B. Kyne's novel of the same name.

"Very Confidential" with Madge Bellamy in the lead role; some new songs with Cahill at the organ; Inkwell studies; and Paramount news round out a well-balanced bill this week at the Fenway.

MIDDLEBURY TO HAVE ETIQUETTE COURSES

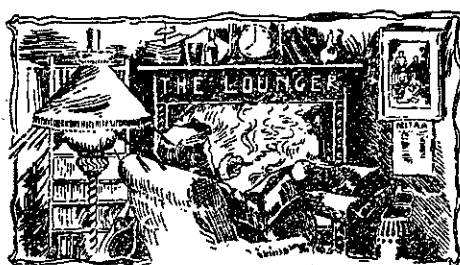
The college-trained man of the future should be a "wow" with the women if present tendencies in higher education have any significance. He will dance "divinely" and will be such a master of etiquette that he will make the weaker sex look like rowdies in comparison. Furthermore, he will be able to instruct his wife in the household arts and as a consequence will not have to undergo the unpleasant experiences of his more unfortunate brothers of the present generation who are forced to submit themselves as victims to experimental cooking of their better halves.

Northeastern University has started the ball rolling with the organization of a dancing class in preparation for their coming Junior Prom. Ohio State University is showing its progressiveness by arranging a course in home economics for men, while Middlebury is the pioneer in the field of etiquette. The latter college has instituted a new course, described by Middlebury officials as an "intensive course in etiquette," which will be compulsory for freshmen beginning next semester.

The Women's College of Alabama has decided to abolish intercollegiate athletics and to substitute athletic encounters with all institutions.

Some discussion has arisen at Harvard as to whether a student should be deprived of the privilege of representing the school in athletic contests because his scholastic standing, at the time, happens to be low. The question was brought up by an alumnus and answered by the Crimson voluminously and in detail, to the effect that the present eligibility system is the best plan capable of being devised.

Wesleyan students have been recently confronted with a great deal of religious opinion, voiced by five great men, of different creeds. The addresses were followed by question periods. The last part of this three day, a revival, consisted of a general discussion by students and faculty, of the function of religion in a college education, including the place of ethics courses, compulsory chapel, and Christian associations.



Hats off to Honest Al, boys; he has boasted about it for years, but this is the very first opportunity that the Lounger has had to enlarge upon the fact. It would not be nice to call the prof two-faced, but inasmuch as Roger has no suitable synonym, that will have to stand. While in class or conference, it is No-graff's strongest point that study begets knowledge, and that knowledge begets grades—in other words, "ownell do you expect to pass without reading Hudson six hours a week?" (He forgets tutoring.) But no sooner does Arthur get in the midst of an admiring flock than he tells for the hundredth time of how he went through the factory without ever once cracking a book. (Only his type could do it.) But a word of advice from the Lounger: don't try it, fellows; they've got it down to such a system here now that it's risky business, and besides, passing tickets cost three dollars an hour.

What the well-garbed Faculty is wearing: One of the latest hits in undress smartness was superbly introduced to the world the other day by none other than Professor J. A. (It Don't) Beattie. Whether it is a suggestion for a simpler form of laboratory apron, or just a sort of time-saving device for absent-minded professors, the Lounger can't make out. At any rate the good man came to his educational lecture in Physical Chem with his shirt-tails draped carefully down the front of his trousers, partly concealed of course by his coat, as is the fashion among the other sex, but lending a peculiarly natty touch to his otherwise dark garments. No one but "It Don't" would have the courage to start such a revolutionary fad, and it is doubtful if many of the others are apt to follow suit. Still, the idea is perfect; why have shirt tails if you don't use them?

The Lounger read with interest an account of an Alabama judge—under the headlines, "Rolls Dice to Freedom"—who finally had to leave his decision to a couple of ivories wielded by a negro arrested on the charge of shooting craps. Seven came instantly on the culprit's plea for co-operation, and the judge pronounced the sentence "Not Guilty." Another time the same judge told a prisoner to get down on his knees and pray, and after the poor fellow had begged for supplication in a sturdy bass for five minutes the judge set him free.

Now, if the Southerner is given credit for such an abnormal amount of knowledge of psychology of the negroes, the method must have something behind it. Nothing could be more interesting and beneficial in the mind of the Lounger than to see somewhat the same ideas developed by the Institute Faculty for the use of the mental miscreants with which the school seems overrun. Now, instead of making a man tutor when he falls below in Applied or Triple E—Gawd knows there's plenty of better ways to waste money—why not let the poor but conscientious student get down on his knees and pray to the gods that be (none other than the Course heads). The method would do far more than the mere cramming his head with examination answers could ever accomplish, and he would be put in a far more beneficial frame of mind at the same time that the Faculty were being satisfied.

Rolling the bones offers the same possibilities. What, asks the Lounger, is a technical education going to do towards earning a man's bread after he graduates, compared with the practical knowledge of winning one's way by a much more certain and prolific system; it would as well give one a confidence that buying his way through school never could offer, for as soon as a man could get past this Faculty on a pair of dice, there is no one left in the world he couldn't do.

A noteworthy experiment is being conducted by the faculty of Wesleyan University. It has recently moved to grant the students a two-day respite between the end of the term exercises and the beginning of the term examinations, thus providing a brief rest and breathing spell for those who have been conscientiously devoted to their work, and a chance for feverish cramming on the part of those who are not so well prepared.

There has been found at the Ohio State University a student who obtains a goodly portion of the funds necessary to defray the expenses of a college education by managing a string of penny slot machines, of a perfectly legal nature. This resourceful youth has placed about thirty of the contrivances in surrounding towns, from which he derives an average profit of a dollar per machine per week. This, as may be seen without any great mental effort, is a sum of some consequence.

ACTIVITIES CALLED 'CAMPUS DRAW-BACK'

Bates and Western Reserve Are Examining Curriculum

That activities are the greatest obstacle to the advancement of student conditions on their college campus is reflected in the following article reprinted from *The New Student*:

"Football having passed off the boards, curricular reform is again engaging student attention in several colleges. The undergraduate reformers have taken fair notice of the criticisms overflowing current periodicals, and have adopted a vigorous style in attacking their campus problems.

"The University of Washington *Daily*, after publishing a series of student criticisms of the university and its work, has summarized by blaming the faculty 'for the lack of intellectual stimulus and study encouragement prevalent on the campus.' The main draw-back it conceives as 'the appalling over-emphasis on activities for activity's sake, that insistence on activities on Washington which results in the average collegian striving to be an activity hound from freshman days to the end of college.' The faculty is blamed for having failed to eliminate superfluous activities, and the *Daily* presents the problem as one for the teachers to solve.

"President C. D. Gray of Bates College has appointed a student committee of twelve to examine the curriculum and suggest modifications and changes. These students will carry on the working on the same problem, one composed of teachers, another of alumni and a third, serving as advisory, of outsiders.

"Students in the College for Women at Western Reserve University have selected representatives to serve as their agents in presenting to the faculty complaints against the curriculum. They are members of the committee, to whom they will make recommendations after passing on student complaints."

FOUND—WAY TO STOP CHEATING IN EXAMS

- A code of rules for preventing cheating in examinations has been drawn up by the "Orange and Blue" of Jefferson, Tenn. A glance at them should be sufficient to convince anyone that they should accomplish their purpose.
- 1—Students will march to class under guard of Coach Neely's uglies.
 - 2—Will be stopped at the door and searched for contraband notes, etc.
 - 3—Before entering class room, each student will be submitted to psychological examinations to determine whether or not student has any idea of cheating.
 - 4—Each student must wear blinds and place a handkerchief in his mouth.
 - 5—Additional professors, armed with blackjacks, will be on outside and watch through peepholes.
 - 6—Highly tuned dictaphones will be concealed behind pictures to catch slightest whisper.
 - 7—When the student has finished his examination, a lie detector will be used to find out whether or not student has cheated.
 - 8—Before marking papers, professors will discount ten points from each paper on the possibility that the student has cheated after all.

Alfred University has a cross country runner of whom she should be proud. Recently he entered in one event, and finished with the contestants in the preceding event; something like doing the "100" in minus.

Returns to His Favorite Tobacco

Boerne, Texas
Oct. 14, 1926

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Very truly yours,
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QUINTET SWAMPS FITCHBURG NORMAL

Crippled M.I.T. Swimming Team Noses Out Amherst College 39 to 32

ENGINEERS PILE UP 58 POINTS IN SLOW GAME; MEET YALE TOMORROW

Technology's fast quintet smothered Fitchburg Normal at the Hangar Gym last night 58-16, and missed making it an even 60 by a fraction of a second. The engineers took the lead at the start and by the end of the half they led by 20 points. Johnny Reynnders, Dartmouth transfer, was the high point man, scoring fourteen points and playing a brilliant game.

Coach McCarthy used 11 men and substitutes Johnson, Spahr and Nelson showed up very well. All these men will see quite a bit of service during the next few days as there are three games this coming week, Yale tomorrow, Wesleyan at Tech Saturday and Northeastern, the final game before exams, on the following Tuesday.

McClintock will not play again until after examinations, partly due to his ankle, and partly due to his studies. Coach McCarthy definitely announced Saturday night. Although the loss of McClintock will be felt, the team seems able to get along pretty well without him and in spite of his absence they have a good chance of defeating Yale tomorrow night down at New Haven.

Capt. Carrigan was the only real player that Fitchburg could boast of, as the rest of the men looked like a bunch of prep school men. Carrigan scored three baskets and as many free throws for nine points. The Fitchburg game was really a practice game for the Yale game that comes off tomorrow night down at New Haven.

Yale has a very strong team this year as they nosed out Dartmouth 26 to 22 in a flashy game at New Haven last Saturday night. Dartmouth defeated Technology 42-36 before vacation. According to reports the Dartmouth aggregation was far off form, but in spite of this fact a hard battle is expected tomorrow night.

Capt. Gil Ward and Lou Nassou are the two outstanding Yale forwards and they alternate at left guard. These are the men that will have to be watched tomorrow night as they are dangerous whenever they get within shooting distance. McNulty and Nanry, Yale guards, are very adept at breaking up any passing combinations and the Cardinal and Gray quintet is going to have a hard time to get by these two men.

As a whole the engineers can be expected to give the Yale quintet a real battle. Nothing much could be told from the Fitchburg game as Technology hopelessly outclassed the normal men and the game was slow from start to finish with the exception of the last quarter, in which the Fitchburg bunch made a rather hopeless at-

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ALWAYS THE BEST SEATS

School Record in 440 Yd. Swim Is Broken by Jarosh

Team Puts Up a Great Fight In Spite of Loss of Capt. Grover

(Continued from Page 1)
lead over the other man, and Angleman stretched out just a little harder in the last few feet to win the event by about an inch. The breast stroke was also a very close meet, Burke of Amherst forging ahead in the last lap to annex this event. Jarosh, however, gave him a battle from start to finish and it was not until the last lap that Burke could edge a way from Jarosh who tired out just enough to lose the event.

About the only event that the Engineers took with ease was the medley in which the Cardinal and Gray got out to an early lead and managed to keep it without any difficulty throughout the rest of the event. In the back stroke the Engineers managed to cop both first and second places and as usual Jarosh and Luey fought each other for first place, Luey finally winning the event. Technology clearly showed its diving weakness as Amherst annexed both first and second without any difficulty.

From the results of this meet it appears that the Engineers are not as badly crippled as it was expected. In spite of the resignation of Grover and the failure of several veterans to come out this year, the Cardinal and Gray has the makings of a real team, and if they had several good divers they could be counted on to win quite a number of this year's meets.

Last year's freshmen team is probably the chief reason that the swimmers have managed to even scrap up the resemblance of a team. Both Jarosh and Torchio are Sophomores and these men are both good, as without either of these men the team would be seriously handicapped.

Summary:
Medley (300 yards)—Won by Tech (Luey, Appleton, Payson); second, Amherst (Johnson, Kaplinski, Keppel). Time 3 min. 44 3-5.
Fifty-yard dash—Won by Angleman, Amherst; second, Torchio, Tech; third, Brown, Tech. Time, 24 4-5.
Four hundred forty-yard swim—Won by Jarash, Tech; second, Webb, Amherst; third, Ketcham, Amherst. Time, 6 min. 9 1-5.
New Tech record.)
9 Div—Won by Steuart, Amherst; second, Howe, Amherst; third, McQuane, Tech. Points, 82.3.
One hundred fifty-yard backstroke—Won by Luey, Tech; second, Jarash, Tech; third, Gotesagen, Amherst. Time, 2 min. 3 3-5.
One hundred-yard dash—Won by Lathrop, Amherst; second, Torchio, Tech; third, Angleman, Amherst; second, Appleton, Tech; third, Birnbaum, Tech. Time, 3 min. 1 1-5.
Two hundred-yard relay—Won by Tech (Brown, Torchio, Payson, Luey); second, Amherst (Angleman, Crauer, Campbell, Lathrop). Time, 1 min. 50 2-5.

FROSH HOOPMEN ARE SWAMPED BY BROWN

Technology's yearling hoopsters came off a rather poor second in a one-sided game with the Brown freshmen Saturday night. Although the frosh put up a fighting game all the way through, the Brown forwards seemed to have no difficulty in cutting through the defense and running up a long lead. Although the frosh showed an improvement on their defense they can still stand an improvement.

In spite of the fact that the score is so overwhelmingly one-sided the youngsters put up a good game. Harrison was the high scorer for the frosh, making two baskets. Motter made the other basket. Kamy, Slattery, Dickenson and Morse all made tallies from the foul line. Considering the strong defense of the Brown outfit the scoring is not bad at all. The Brown forwards seemed to be having a holiday, running up a total of 24 baskets.

The summary:

BROWN		
Snyder, rf	G	F
Ferguson, rf	7	2
Read, rf	2	0
Dennison, lf	1	0
Barnet, c	1	0
Bornw, c	8	3
M'zockl, rg	1	1
Cladon, rg	5	0
Keegan, lg	0	1
Warren, lg	0	0
Schien, lg	0	0
Totals	24	7

M. I. T.		
Kamy, lg	G	F
McKint, lg	0	1
Slattery, rg	0	1
Garcia, rg	0	0
Dickerson, c	0	1
Motter, c	1	0
Harrison, lf	2	0
Morse, rf	0	1
Totals	3	4

Referee, Merritt; time four 10 minute periods.

SPORT SUMMARY			
Varsity			
Swimming, M.I.T.	39	Amherst	32
Basketball, M.I.T.	58	Fitchburg Normal	16
Hockey, M.I.T.	1	Yale	12
Freshman			
Basketball, M.I.T.	10	Brown	55
Swimming, M.I.T.	8	Boston Boy's Club	54
Hockey, M.I.T. vs. Newton		Cancelled	
Wrestling, M.I.T.	13	Lynn Y.M.C.A.	13

BULLDOGS SWAMP ENGINEER SEXTET

Ding Palmer, Sensational Yale Wing, Leads Attack With Five Goals

Yale proved to be far too strong for Technology in the hockey game at New Haven Saturday evening and the final score of 12 to 1, is a fair indication of the difference between the teams. The powerful Eli team was on the aggressive throughout, scoring three goals in each of the first two periods, and six in the final period.

As was expected, Ding Palmer, sensational Yale wing, led the attack of the Bulldogs and five of his shots got by the Technology goalie before the final whistle blew. Capt. Vaughan and Curtis, the other Yale regular forwards, were not far behind their teammate and each managed to score three goals, while Bent, substituting for Curtis made the final score for the Blue.

It was not until the final period that Technology was able to score. When the time was nearly half gone, Capt. Tacks Crosby made an individual rush through the entire Yale team and whisked the puck by the Eli goalie. With the exception of this nice play the Engineers were on the defensive most of the time.

The absence of Vic Duplin, regular left wing, who could not make the trip, necessitated the transfer of George White from the defense up to left wing, with Jim Fahey taking White's place. The new lineup didn't function very well because the men weren't used to their positions.

The summary:
Yale Goals: Scored by Pass from M. I. T. Goals (Knight), 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th. Goals (Palmer, Vaughan, Curtis, Bent, Brady, Thomas, Ryan, Wilson, Lathrop, Luey, Warner, Hurd), 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th. Score—Yale 12, M. I. T. 1.
First Period
Yale.....Curtis.....unassisted.....3:05
Yale.....Palmer.....Palmer.....6:59
Yale.....Vaughan.....unassisted.....11:39
Second Period
Yale.....Palmer.....unassisted.....6:01
Yale.....Curtis.....Palmer.....8:20
Yale.....Palmer.....unassisted.....8:23
Third Period
Yale.....Vaughan.....unassisted.....1:30
Yale.....Vaughan.....Ryan.....2:23
Yale.....Palmer.....unassisted.....4:10
Yale.....Palmer.....unassisted.....7:21
M. I. T.Crosby.....unassisted.....8:00
Yale.....Bent.....unassisted.....13:26
Penalties—Lucy, Wilson, Hickock. Referee—Smith. Time—Three 17 min. periods.

Passing The Puck

Because of the warm weather the hockey game scheduled for Saturday between Newton and the Technology freshmen was cancelled. The ice was in such poor shape that it was impossible to play, so the debut of the promising Cardinal and Gray yearling team had to be postponed.

Bill Berkely, captain of last year's hockey team, played for the University Club in the series with the Toronto Varsity Grads and gave his usual excellent performance. Toronto has a number of men good enough to make the grade in professional hockey, but Berkely was able to stay right with them.

START THE NEW YEAR RIGHT
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FROSH MATMEN SCORE TIE AGAINST LYNN Y

Fast Work Shown By Both Sides in First Practice Meet

In a snappy set of practice bouts Friday night the yearling matmen came off to a tie with the wrestlers from the Lynn "Y". Good work and fast play marked the performance of both the teams, in particular the Lynn outfit, which gave the frosh a much better run than was expected from its record. Coach Greene was well satisfied with the showing of his men and it looks as if the team will start its season with a flying start when it has its first regular meet next Saturday.

Both teams made an even showing of two falls and decision. Chibas gave the yearlings a lead by throwing his man after a neat bout. Lynn took the second bout on decision. Basinger came back for the frosh with a decision over Levesque, only to have Lynn take the next two matches on decision. Stahl cleaned up his man for the youngsters by scoring a fall in a minute and one second, leaving the honors even to both sides with a score 13-13.

The summary:
115 Pound Class—Chibas, M. I. T., defeated Miller, Lynn. Fall 3 min. 32 sec.
125 Pound Class—Vincent, Lynn defeated Cook M. I. T. Decision.
135 Pound Class—Basinger, M. I. T., defeated Levesque, Lynn. Decision.
145 Pound Class—Fay, Lynn, defeated Elbaum, M. I. T. Fall, 6 min. 31 sec.
165 Pound Class—DiVirgilio, Lynn, defeated Snow, M. I. T. Fall 1 min. 32 sec.
175 Pound Class—Stahl, M. I. T., defeated Fall, Lynn. Fall, 1 min. 1 sec.
Referee, Greene; time, 9 minutes.

The University of Texas owns and derives a large income from oil fields. The university is seeking several million dollars in oil royalties from the lessees of its oil lands.

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500 TECHNOLOGY ALUMNI MEET AT ANNUAL BANQUET

Lt. Hegenberger Flew in Plane From Dayton to Attend Convention

WAR SECRETARY SPEAKS

(Continued from Page 1)

F. Davis, Secretary of War. In addition to these, Lieut. Albert F. Hegenberger '18, trans-Pacific flyer, who was present as a guest, gave a short talk.

In his introductory address as toast-master, Dr. Prescott stressed the vital importance played by the alumni body in the life and development of the Institute. "It is within the power of the Alumni, through constructive criticism and counsel based on the knowledge gained through experience, that their sons may go out from Technology with broader visions of culture, greater adaptability and better professional training to meet the demands of a more exacting world," he said.

One way of accomplishing this is by promptly completing the Alumni Dormitory Fund Campaign, said Dr. Prescott, urging each class to set itself a definite sum as its goal and work until that goal is reached. The Class of 1901 has most recently gone over the top, while '94 is expected to reach its objective soon. Also, '88 and '95 are expected to soon approach the \$100,000 mark.

As the second speaker Dr. Stratton presented statistics regarding such things as enrollment, "flunk rate" and new building construction at Technology. About 75 percent of the students entering the Institute stay to graduate, he stated, this figure comparing favorably with the average of 41 percent for other engineering schools. Half of those leaving the Institute leave with unsatisfactory marks, the others leaving for financial or personal reasons.

Dr. Stratton announced that the infirmary would be ready to accommodate next year's students, while the new Guggenheim Aeronautical Building will be ready to be dedicated by next Commencement.

Speaks on Education

"Scientific Education: Do We Know What We Want, and Can We Get It?" was the subject of the talk delivered by Dr. Jewett of the Bell Laboratories, who answered his question in the affirmative. Discussing the recently growing interest in systems of technical education, he said that part of this interest was due to the general growth of interest in things educational during the past 25 years.

This interest is largely due to dissatisfaction with the training of young engineers turned out by the technical schools of today. Each educator has his own cure, and many have been applied simultaneously, with resulting confusion. Engineering education has so far erred by failing to look sufficiently ahead to see how pure science must lead applied science or engineering, and by depending on unskilled advice for guidance.

Society is becoming more and more dependent on the products of scientific knowledge, and in the future will require that technical men be fitted to take leading parts in the social organization. Greater inducements will be offered to get more men to join this type of work. "We do know what we want and we can get it, if we continue our quest wholeheartedly towards our goal," said Dr. Jewett.

Lieutenant Hegenberger Speaks

Following this address, Lieut. Hegenberger gave a short talk. He expressed his gladness of Dr. Stratton's announcement that the course in aeronautics at Technology had an increase in enrolment of 140 percent this year. Lieut. Hegenberger outlined his trip to Boston from Dayton via Washington and New York. He felt sure that in the near future business men would begin to take advantage of this rapid means of transportation.

The final speaker, Secretary of War Davis, outlined the work of the Army Engineers in preparing "not for war, but against war". He told of their manifold duties in war times, when the engineers maintain and operate transportation systems, carry on construction work and engage in combat. "In the end as in the beginning, war is largely engineering," he said. In times of peace the engineers keep in training by engaging in such civil engineering work as river and harbor improvement, and most recently flood control. This civil engineering work is alternated with military training, for varied experience is an essential qualification of the military engineer, he said.

Preceding and following the speeches, movies of Technology were shown. Scenes of old Rogers, the presidents of Technology and equipment and activity around the present Technology buildings were included.

Orville B. Dennison '11, secretary of the Alumni Association, welcomed each speaker by leading those present in a Technology cheer. The evening ended with customary singing of the Stein Song.

HOVGGAARD RECEIVES HIGH DANISH AWARD

(Continued from Page 1)

Design of Warships. His contributions to non-technical literature include books on sports of which he is a keen advocate, and an authoritative work on The Voyages of the Norsemen to America, which was published in 1914. He is the author of many papers and is a member of various technical societies, among them the British Institution of Naval Architects which in 1917 awarded him the gold medal for a paper on submarines. In 1922 and again in 1923 he was appointed by the National Advisory Committee for Aeronautics as a member of the special committees on the designs of the airships Shenandoah and RS-1.

ADVISES HUMANICS COURSE FOR M. I. T.

Nickerson '76 Would Establish New Chair for Juniors And Seniors

(Continued from page 3)

of the lecture, Mr. Nickerson showed the relation of knowledge and wisdom to each other and the essentiality of tempering the former with the latter. Knowledge is learning, scholarship, or erudition; wisdom is sagacity, discretion, the capacity to make use of knowledge. Wisdom with but a smattering of knowledge can go far, but little wisdom with much knowledge works under a handicap. A student is apt to stress knowledge exclusively; but he needs wisdom. An old man, having had experience, is more than apt to do the opposite.

There are certain qualities, Mr. Nickerson pointed out, that are necessary adjuncts of success: Honesty, loyalty, tact, courage tempered with discretion, persistence, kindness, cheerfulness, should be cultivated. The student must also recognize that he has to meet envy, jealousy, spite, hatred, malice, selfishness, avarice, arrogance, injustice, falsehood, and other bad qualities in the business world.

The address was the second in the series of Aldred lectures for this year. The next will be given by Mr. Charles M. Schwab, formerly of the United States Steel Corporation, on January 20.

With The American College Editors

(Continued from page 2)

"We don't blame the faculty for the fact that this attitude is so natural at Wesleyan. They are probably succeeding better than most faculties. It is an extremely complex problem, and educators have been really working at it for only a hundred years or less. It may be three or four hundred years before book-learning can compete on equal terms with campus activities. But the fact remains that until our professors work out methods of making books seem to us as vital and imagination-stirring as basketball—until they can make us realize that there is more opportunity for originality and practical good sense in scholarship than in anything else under the sun—until they can fill up passably well the gaps mentioned by Mr. McConaughy—just so long will the books lose out."—Wesleyan Argus.

T. C. A. CABINET

There will be a meeting of the T. C. A. Cabinet tonight at 5 p. m. in the Back Office. This will be the last meeting before exams.

1930 CLASS OFFICERS

There will be a meeting of the Executive Committee of the Sophomore Class in Room 10-267 at 5 o'clock on Wednesday afternoon.

Yale has established a four-year course in Naval Science and Tactics which will qualify anyone having completed it for a commission in the United States Navy.

An interesting feature of the Harvard Crimson is a so-called "confidential guide" to courses offered by the university. It gives, in a brief and fairly concise form, student opinion of the courses as they have been offered before. The guide also names those to whom the courses are open.

Among a number of new courses offered at Carnegie Tech this year is a very comprehensive one on Public Utilities, their origin, development, and characteristics, capitalization, regulation, results of competition, valuation, depreciation, taxation, public ownership, inefficiency of governmental operation, etc. The course will consist of lectures and of papers presented by the students themselves.

1928 Scholarships Nearly The Same As Previous List

Austin Fellowship Increased From \$500 Plus Tuition To \$1000

(Continued from Page 1)

Malcolm Cotton Brown Fellowship 1000
Open to a graduate of the senior class in the course in physics for study at the Institute or abroad.

Swope Fellowship in Physics 1000
Open to an honor student in the senior class of the Department of Physics for study at the Institute or at other institutions.

Swope Fellowship in Electrical Engineering 1000
Open to an honor student of the senior class in the Department of Electrical Engineering for study at the Institute or at other institutions.

Swope Fellowship in Electrical Engineering 500
Open to an honor student of the senior class in the Department of Electrical Engineering for study at the Institute or at other institutions.

Fellowship in Fuel and Gas Engineering 700
Provided by the Massachusetts Gas Companies and Boston Consolidated Gas Company; open to students in the graduate course in fuel and gas engineering.

James Savage Fellowship 600
Open to students in all departments.

Henry Saltonstall Fellowship 550
Open to students in all departments.

Susan H Swett Fellowship 500
Open to students in all departments.

Louis Francisco Verges Fellowship 500
For research in the field of sugar industry.

Moore Travelling Scholarship 350
For graduate study abroad, particularly in the field of organic chemistry.

Charles H. Dalton Scholarship 300
Open to an American student, graduate of the Institute, pursuing advanced chemical study and research especially applicable to the textile industry.

Richard Lee Russell Scholarship 110
Open to a student in civil engineering.

In addition to the above, a number of graduate scholarships carrying a stipend equivalent to tuition, are available from the income of other funds as follows:

Amt. Available
Edward Austin Scholarships*; Austin Teaching Scholarships† \$22,500

*Open to students in all departments.
†Open to members of the instructing staff who are working for higher degrees. Application for these scholarships should be filed in the usual manner.

Jonathan Whitney Scholarships 2000
Open to students in all departments.

Henry Bromfield Rogers Scholarships 1200
Open to women students.

Helen Collamore Scholarships 650
Open to women students.

This list is practically unchanged this year with the exception of the Austin Fellowship, which has been increased to \$1000 from \$500 plus tuition. The award is now open to anyone, but only one student will receive the benefit, whereas formerly two scholarships were available if the committee on scholarships saw fit to award them.

NOTICES

OFFICIAL

Students who have not obtained their registration material should get it immediately from Information Office. Registration material must be returned to Room 3-106 not later than 1 o'clock Friday, January 13th, to avoid a fine of \$5.00.


CATHOLIC CLUB

The M. I. T. Catholic Club will hold two dances this week, the first with B. U. at St. Cecilia's Hall at 9 o'clock Tuesday evening, the second with Simmons at the same place and time on Friday evening.

ORCHESTRA REHEARSAL

There will be a rehearsal of Tech Show orchestra next Wednesday night in East Lounge of Walker Memorial at 7:30 o'clock.

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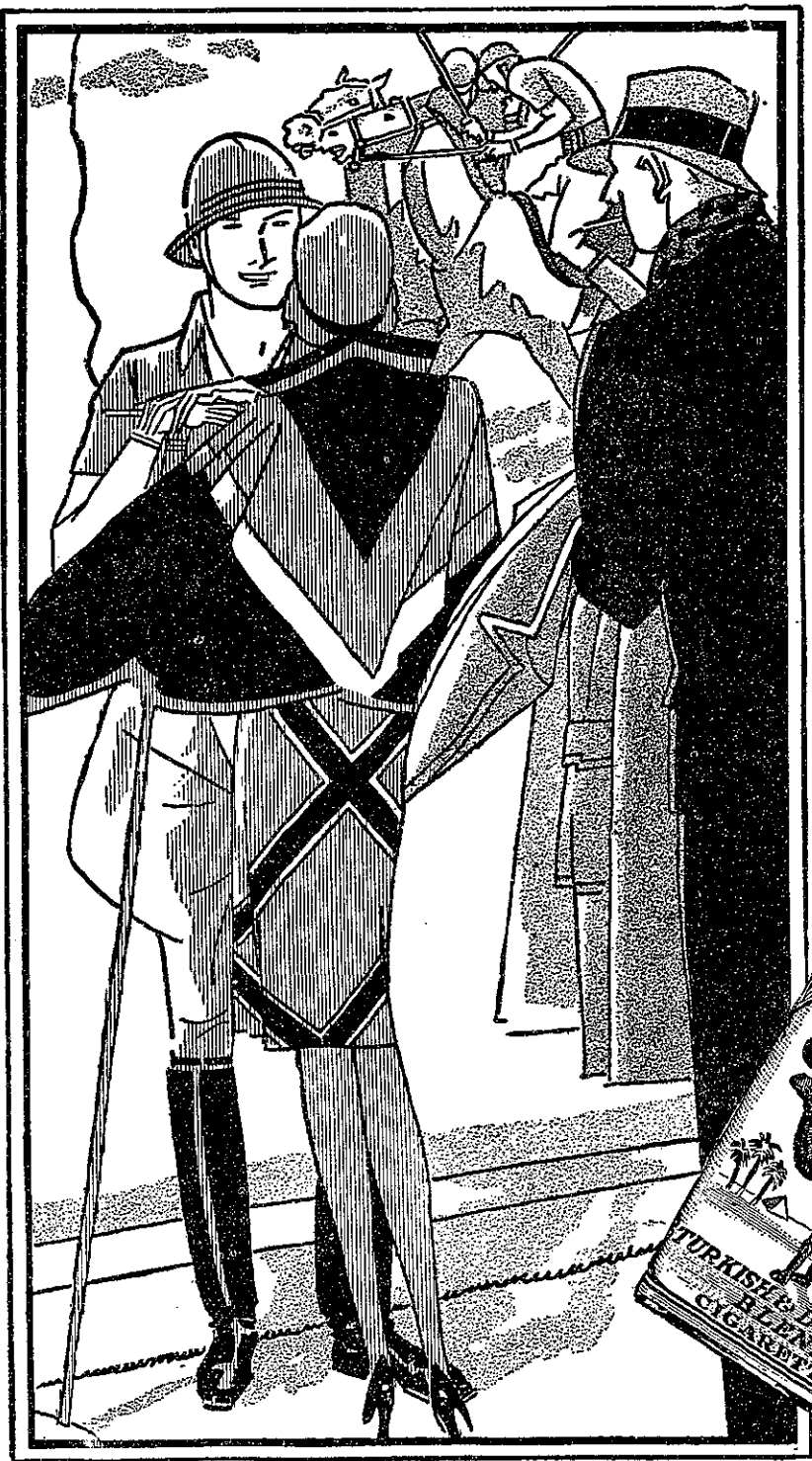
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